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AUTHOR	Bramble, William J., Ed.; Ausness, Claudine, Ed.
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ABSTRACT

The Appalachian Education Satellite Project (AESP) was conceptualized in 1973 (1) to develop courses in reading and career-Education instruction for reachers in the Appalachian region, and (2) to determine the feasibility of conducting such courses over a large geographical area via communications satellites. To assist in the initial planning for the project, data were gathered on the various localities that would be involved in the project. Included in the data were: (1) demographic characteristics, (2) economic conditions, (3) educational characteristics, (4) the nature and scope of existing career-education programs in the region, (5) a listing of standardized tests used in the region, and (6) universities in the region that could offer graduate credit for AESP courses. An analysis of the data suggests that there is not a homogeneous Appalachian population to which a product can easily be shaped. (Author/DGC)

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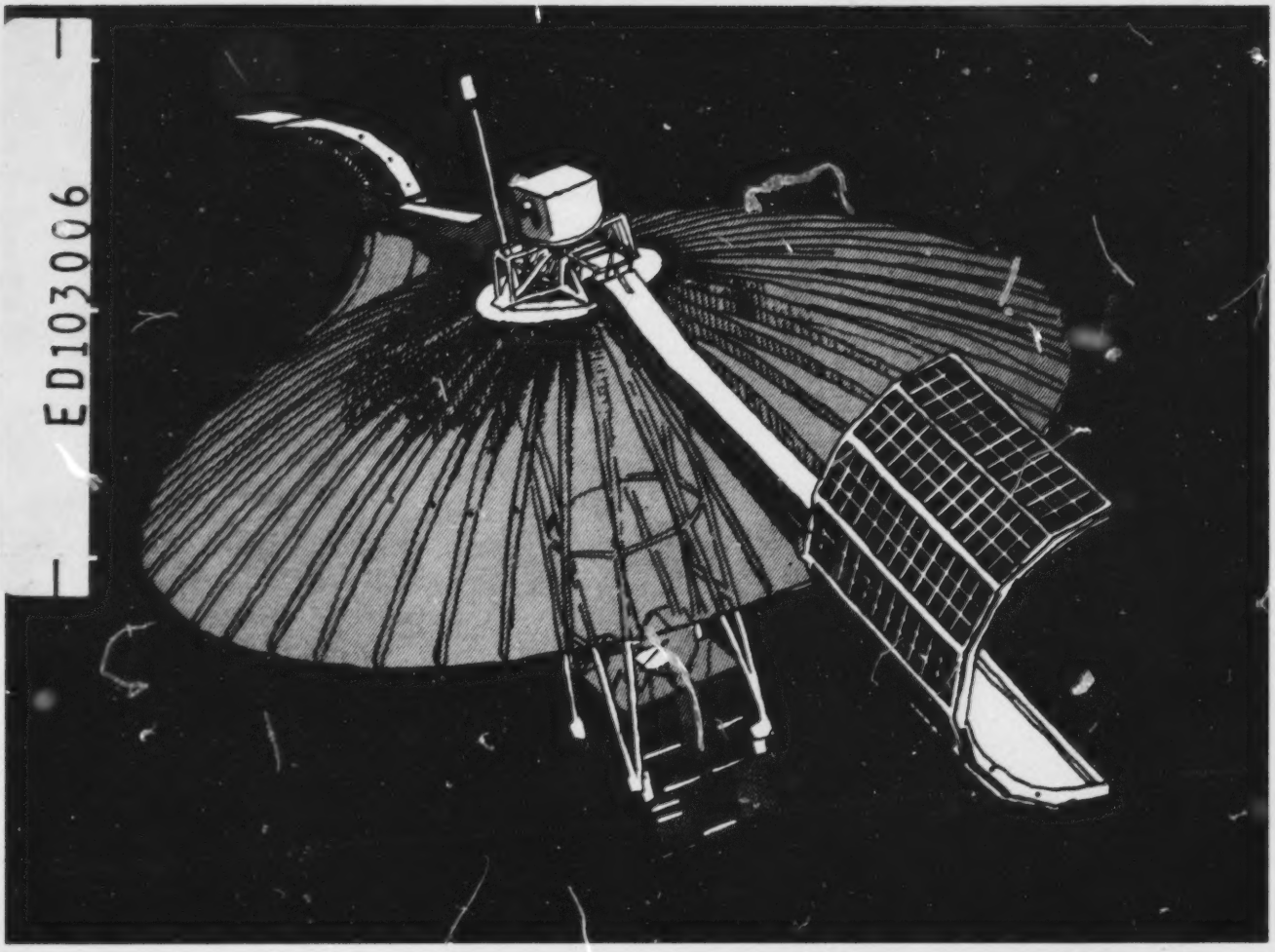

AESP Data Base

appalachian education satellite project

Technical Report

number 1

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AESP DATA BASE INFORMATION:

RATIONALE, DATA COLLECTION PROCEDURE, INTERPRETATION OF RESULTS

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Prepared by

Dr. William J. Bramble, Director of Evaluation

Claudine Ausness, Evaluation Coordinator

Larry Harding

Robert Wetter

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William J. Bramble and Claudine Ausness

Editors

APPALACHIAN EDUCATION SATELLITE PROJECT STAFF

Appalachian Regional Commission
1666 Connecticut Avenue
Washington, D.C. 20235

Harold E. Morse, Director of the AESP
Robert Shuman, Deputy to the Director
Dennis Goldstein, Education Satellite Coordinator

Resources Coordinating Center
306 Frazee Hall
University of Kentucky
Lexington, KY 40506

Management

David L. Larimore, Project Director
Nofflet Williams, Deputy Director
Diane Maynard, Assistant to the Director

Evaluation Component

William J. Bramble, Director
Claudine Ausness, Assistant to the Director
Larry Harding, Evaluator
Robert Wetter, Evaluator

Career-Education Component

Raymond C. Manion, Director
Barbara Preli, Consultant
Cathy Whitton, Materials Developer
Bernie Lovely, Technical Writer

Reading Component

Lowell D. Eberwein, Director
Cathy Morsink, Consultant
Sharon Mittendorf, Materials Developer

Information-Systems Component

Timothy A. Pasden, Director
Betty Bowling, Project-Information Specialist
Mary Clarkson, Research-and-Processing Specialist
Alice Martinson, Reading-Information Specialist

Four-Channel Audio Component

Frank Colton, Director
Gail Attas, Materials Developer

Television Component

Paul Owen, Director
Roger Koonce, Production Manager
Paul LeVeque Reading Producer-Director
Peter Gillette, Career-Education Producer-Director
Richard Falknor, Associate Producer-Director for Career-Education
Clarence Embry, Television Crew Supervisor
Ray Sprester, Motion Picture Supervisor
Floyd Kron, Cinematographer
David Haydon, Film Audio
Barry McKee, Film Editor
Britt Davis, Photographer
Jerry McDonald, Film Crew
John Quinn, Art Director
Gwyn McGowan, Graphic Artist
Michael Sleadd, Staff Artist
Dan Vantreese Artist
Dave Vantreese, Artist/Photographer
Thomas Holleron, Chief Engineer
Jesse Holbrook, Video Engineer
Louis Strauss, Recording Engineer
Michael Weikel, Recording Engineer

Engineering Section
124 Kastle Hall
University of Kentucky
Lexington, KY 40506

Jesse McLaurir, Project Engineer
Donald Hataloski, Assistant Project Engineer

RESA Project Directors

Chautauqua ARC ATS-F RESA Triangle
Board of Cooperative Educational Services (BOCES)
Box 250
Fredonia, N.Y. 14063
Mrs. Stephanie Bennett

ARC ATS-F RESA Triangle
Clinch-Powell Educational Cooperative
Harrogate, TENN 37752
Mr. Larry Hyke

DILENOWISCO Educational Cooperative
1032 Virginia Avenue
Norton, VA 24273
Mr. Morley D. Jones

Maryland RESA
110 Washington Street
Cumberland, MD 21502
Dr. William Brish

Top of Alabama Regional Council of Governments
2603-C Leeman Ferry Road
Huntsville, ALA 35801
Dr. James Hutcheson

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1. MAP OF THE APPALACHIAN REGION 7

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INTRODUCTION

The Appalachian Education Satellite Project was conceptualized in early 1973 (1) to develop courses in reading and career-education instruction for teachers in the Appalachian region and (2) to determine the feasibility of conducting such courses over a large geographical area via communications satellites. The courses consist of pre-taped video instructional units, live video seminars, four-channel audio instruction, and ancillary laboratory materials. Each course is expected to upgrade the skills of the participating teachers and consequently to improve the quality of instruction the students in the region receive. However, a broader goal of the project is to answer questions of an experimental nature regarding the use of advanced technological systems for large-scale dissemination of knowledge. For example, some of the problems that need to be solved involve developing means of tailoring courseware to the needs of the population in a large geographical region and developing the organizational framework for conducting graduate-level courses without on-site teachers.

For each course the AESP is preparing a series of programs. The video and the four-channel audio portions of the instruction are to be transmitted to fifteen sites in the Appalachian region via communications satellites in the Applied Technology Satellite (ATS) series. The project, approved for funding beginning June 1, 1973, and continuing for 27 months, is divided into three phases: Planning (3 months); course development (10 months) and broadcasting and evaluation (14 months).

RATIONALE

During the planning phase of the project the project staff recognized the need for assessment of the target area (1) to familiarize project personnel with a number of properties of the region and (2) to allow for the development of courses and course materials appropriate to the teachers in the Appalachian region. The staff wanted answers to these questions:

1) Where are the Regional Education Service Agencies (RESAs) we are going to be dealing with? Where are the classroom sites located? How conveniently located are they?

2) What are the general demographic characteristics of the areas?

3) What economic conditions are prevalent in the region? What are the major sources of employment and general income levels?

4) What are the educational characteristics of the areas? How many teachers, administrators, guidance counselors, and students are there? What is the per-pupil expenditure?

5) What career-education programs already exist in the regions?

6) What standardized tests are regularly administered in the regions?

7) Which universities in the region could offer graduate credit for the courses?

DATA COLLECTION PROCEDURE

In September, 1973, the Evaluation Component at the Resource Coordinating Center (RCC) at the University of Kentucky constructed a set of forms that called for the information necessary to answer these questions. These forms were based on information from an initial survey made during the summer of 1973.

Before mailing the forms to the directors of the participating lead RESAs, the RCC Evaluation Component filled in whatever information was available in the University of Kentucky library. With data from the 1970 U.S. Census and the Television Factbook (McGraw-Hill Broadcasting Company, Inc., 1972-73), the staff completed items on per-capita income, family income, sources of employment, population size, racial composition of the population, and television broadcasting facilities in the area.

RESA directors were assigned the task of completing items on the location and accessibility of classroom sites, composition of the educational population in the counties, districts, and schools, per-pupil expenditures, ongoing career-education programs, district-wide reading and other regularly administered standardized tests, universities in the areas offering graduate credit. The inventories were mailed to

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the RESA directors in early October. After several communications by mail and telephone, each RESA returned by December 15, 1973, relatively complete forms.

During December the Evaluation Component prepared personalized summaries of information that might be immediately useful to the Information Component in its planning and to the course instructors in the development of their courses. On January 10, 1974, they presented the compiled data to the course instructors and the RCC project director. In February, 1974, they prepared this technical report for those interested in the regions served by the Appalachian Education Satellite Project. The following figures are calculated from data in the 1970 U.S. Census and information supplied by the directors of the lead RESAs. Figures ranking the AESP states among the 50 states on population, density, per-capita income, and per-pupil expenditure come from tables in Statistical Abstracts of the United States. 1973 (U.S. Dept. of Commerce, 1973).

INTERPRETATION OF RESULTS

1) Where are the Regional Education Service Agencies (RESAs) we are going to be dealing with? Where are the classroom sites located? How conveniently located are they?

When phase 2 (course development) began, RCC needed to know the names of site coordinators and the location of classrooms. Course instructors needed to know where to go for site visits. They needed to know whether distances teachers had to travel to the sites made once or

twice a week class meetings preferable.

Participating RESAs and Classroom Sites

The geographical region served by the Appalachian Regional Commission includes all or part of the following 13 states: Alabama, Georgia, Kentucky, Maryland, Mississippi, Ohio, New York, North Carolina, Pennsylvania, South Carolina, Tennessee, Virginia, and West Virginia.

Out of the 397 counties in the Appalachian portions of these states, 48 counties in eight of the states - Alabama, Maryland, New York, Pennsylvania, North Carolina, Tennessee, Virginia and West Virginia - were selected and opted to participate in the Appalachian Education Satellite Project.

The Appalachian Regional Commission (ARC) established Regional Education Service Agencies (RESAs) to promote trans-county cooperative educational projects in the Appalachian Region. To coordinate the 48 counties participating in AESP, ARC designated five RESAs as lead RESAs, each with as many as two associated RESAs. Each lead RESA selected three receiving sites (classroom sites) for the broadcast. Since lines drawn to connect the three classroom sites form a triangle, the three receiving sites for each of the five lead RESAs are called RESA triangles. The participating lead and ancillary RESAs and the AESP triangles are identified in Table 1.

Figure 1 is a map of the Appalachian Region as defined by the Appalachian Regional Development Act of 1965. The area associated with each lead RESA for the AESP is indicated. The shaded areas represent the RESA triangles, and the receiving sites are identified at the bottom of the page. The approximate footprint of the satellite is depicted. Only within the footprint is quality video and audio reception possible.

TABLE 1

RESA AND SITE IDENTIFICATION

	Lead RESA	RESA	Classroom Site	Place
1.	CHAUTAUQUA (New York) Ms. Stephanie Bennett*	Cattaragus BOCES Chautauqua BOCES Northwest Tri-County	Olean, N.Y. Fredonia, N.Y. Edinboro, Pa.	Boles So. Central Philip J. LaGuidice Occ. Center I.V. Office Building
2.	CLINCH-POWELL (Tennessee) Larry Hyke*	Clinch-Powell Educational Coop Tennessee Appalachian Educational Coop Upper East Tennessee Educational Coop	Lafollette, Tenn. Coalfield, Tenn. Johnson City, Tenn.	Lafollette High School Coalfield School East Tennessee State University
3.	DILENOWISCO (Virginia) Morley D. Jones*	Dilenowisco Educational Coop Dilenowisco Educational Coop Northwest Regional Media Center	Norton, Va. Sticklyville, Va. Boone, N.C.	Dilenowisco Educational Coop Sticklyville Elementary School Appalachian State University
4.	MARYLAND (Maryland) William Brish*	Cumberland Cumberland Curriculum Improvement Center	Cumberland, Md. McHenry, Md. Keyser, W.Va.	Vo-Tech Center Garrett Community Center Vo-Tech Center
5.	TARCOG (Alabama) Dr. James Hutcheson*	TARCOG TARCOG TARCOG	Huntsville, Ala. Guntersville, Ala. Rainsville, Ala.	Madison Technical School Marshall City Tech. School Northeast State Junior College

* Director

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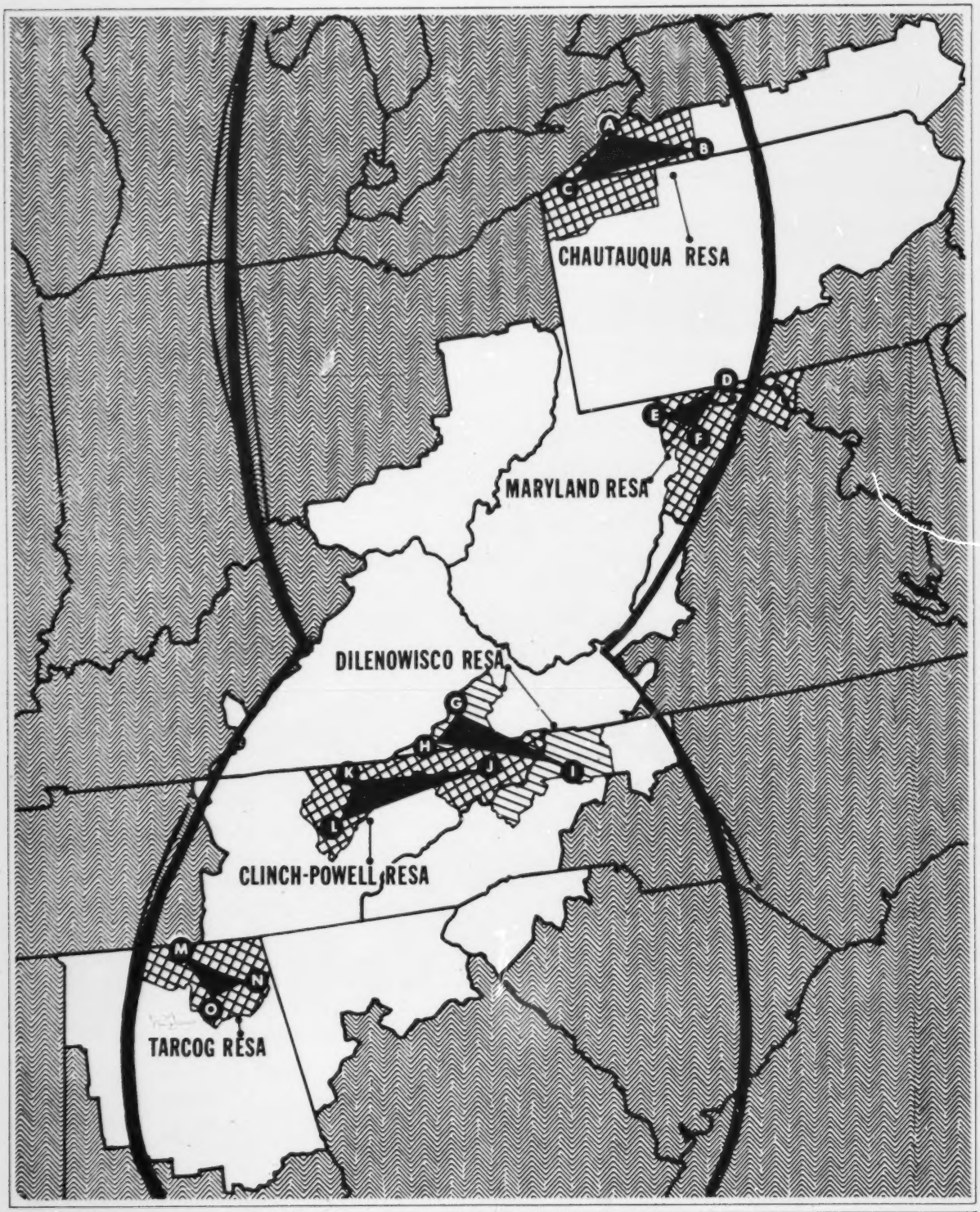

FIG. 1 MAP OF THE APPALACHIAN REGION SHOWING THE FIVE RESA CLUSTERS, RECEIVING TRIANGLES, AND APPROXIMATE SATELLITE FOOT PRINT.

A.	Fredonia, N.Y.	I.	Boone, N.C.
B.	Olean, N.Y.	J.	Johnson City, Tenn.
C.	Edinboro, Pa.	K.	LaFollette, Tenn.
D.	Cumberland, Md.	L.	Coalfield, Tenn.
E.	McHenry, Md.	M.	Huntsville, Ala.
F.	Keyser, W. Va.	N.	Rainsville, Ala.
G.	Norton, Va.	O.	Guntersville, Ala.
H.	Sticklyville, Va.		

Maximum Travel Distance

The five lead RESA directors were requested to locate the three classroom sites, so that one or more classrooms would be easily accessible to teachers living anywhere in the 48 counties in the project. They estimated the maximum distance and time it would take a teacher to travel to the nearest classroom site. The maximum distance was defined as the distance to the nearest site from the outermost part of the county. The maximum distance ranged from 18 to 125 miles, and the maximum amount of time it would take to make the journey ranged from 20 minutes to 2 1/4 hours.

The average maximum travel distance is 40 miles. However, it may take a teacher from 30 to 70 minutes to drive 40 miles, since speed estimates, ranging from 30 to 65 miles-per-hour, reflect varying conditions of available roads. Since it is unlikely the majority of the teachers will live in the outermost fringes of the counties, most should drive far shorter distances. In fact, unless an effort is made to spread people out in the counties, it is likely that many of the participating teachers will come from areas close to the sites.

Table A in the Appendix gives a complete listing of maximum driving times and distances per site.

2) What are the general demographic characteristics of the areas?

It is necessary to know the size, racial composition, and density of the population in the Appalachian region and the portion of the region participating in the AESP, in order to 1) develop courses

that meet the needs of this particular group and 2) determine the size and similarity of the AESP population in relation to the total Appalachian population, so that inferences to the larger population can be made with some degree of confidence.

Population

The population of the 13 Appalachian states, as of April 1, 1970, was 76,064,000, with the population of the portion of these states designated as the Appalachian region, by the Appalachian Regional Development Act of 1965, at 18,212,000. The population of the 48 counties participating in the Appalachian Education Satellite Project is 2,101,120 or 11.53% of the total population in the 397 counties in the Appalachian Region.

In 1970 the U.S. Bureau of Census ranked the 50 states by population. The eight AESP states ranged from 2nd to 34th: New York, 2nd; Pennsylvania, 3rd; North Carolina, 12th; Virginia, 14th; Tennessee, 17th; Maryland, 18th; Alabama, 21st; and West Virginia, 34th.

Racial Distribution

In 1970, 96% of the 2,101,120 AESP population were white; 3.7% were black; and .3% were of other racial origins. This compared to 92.7% white, 7.1% black and .2% other in the Appalachian Region as a whole and to 87.7% white, 11.1% black and 1.2% other in the United States. The percent of blacks in the eight AESP states ranged from 3.9 to 26.2, and the percent of blacks in the 48 counties participating in AESP ranged from 2.3 to 21.3.

Six of the eight AESP states had a greater proportion of blacks than the AESP counties within the state. The AESP portion of Alabama was 10.72% black compared to the state of Alabama with 26.23%; AESP counties in New York were 8.63% black compared to 11.89% in the state as a whole; AESP counties in North Carolina were 2.51% black compared to 22.16% for the state; AESP counties in Pennsylvania were 2.56% black, compared to 8.61% for the state; AESP counties in Tennessee were 2.26% black, compared to 15.83% for the state; AESP counties in Virginia were 3.08% black, compared to 18.53% for the state. Only two of the AESP portions of the states had a greater proportion of blacks than the state as a whole: AESP counties in Maryland were 21.31% black, compared to 17.83% black in the state, and AESP counties in West Virginia were 4.38% black, compared to 3.86% for the state.

Density

In 1970 the population density of the 48 counties in the AESP ranged from 10 to 1,143 persons per square mile. However, only 13 of the 48 counties had over 100 persons per square mile and 19 had less than 50 per square mile. The average U.S. population density of the same period was 57.5 per square mile of land area.

In 1970 the eight AESP states ranged from the 5th most dense state in the nation to the 26th Maryland with 396.6 persons per square mile was 5th. New York with 381.3 per square mile was 7th. Pennsylvania with 262.3 per square mile was 8th. Virginia with 116.9 per square mile was 16th. North Carolina with 104.1 per square mile was 17th. Tennessee with 94.9 per square mile was 18th. West Virginia with 72.5 per square

mile was 25th. Alabama with 67.9 per square mile was 26th.

Only 31 of the 48 counties had population densities greater than that of the state in which they are located: Cattaragus County in New York with 1,424 per square mile; Erie County in Pennsylvania with 323 per square mile; Norton County in Virginia with 1,143 per square mile; in Alabama, Limestone County with 76, Madison County with 323 and Marshall with 94 per square mile; in Tennessee, Anderson with 180, Roane with 111, Carter with 122, Sullivan with 308 and Washington with 329 per square mile; in West Virginia, Berkeley with 115 and Jefferson with 100 per square mile.

3) What economic conditions are prevalent in the region? What are the major sources of employment and the general income level?

Documentation of the economic conditions in the 48 Appalachian counties that opted to participate in AESP is necessary 1) to justify federal expenditures to raise the economic level of the region, and 2) to tailor the examples in the career-education course to the problems Appalachian teachers face.

Table 2 lists by county and state the 1969 per-capita and median family income, number of families on welfare and below the poverty level, and the 1970 unemployment rate. The table was constructed from 1970 U.S. Census data, and the terms used adhere to definitions given in the 1970 U.S. Census. It is recognized that the economic picture continually changes, but lack of time and money made the 1970 Census data the only feasible source of information.

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DEMOGRAPHIC AND ECONOMIC PROFILE OF THE APPALACHIAN AND AESP REGIONS

AREA	POPULATION				INCOME		FAMILIES					
	Total 1970 (1,000)	RACE Black (1,000)	RACE White (1,000)	RACE Other (1,000)	Per Capita 1969 (Dollars)	Median Family 1969 (Dollars)	TOTAL 1969	Number on Welfare or Public Assistance	Percent on Welfare or Public Assistance	Number Below Poverty Level	Percent Below Poverty Level	Unemployment Rate 1970
United States	203,210.	22,539.	178,119.	2,552.	3,139	9,590	51,168,599	2,719,074	5.3	5,462,216	10.7	4.4
Appalachian States	76,064.	11,458.1	64,138.9	466.7	2,996	9,242	19,232,487	1,054,985	5.5	2,335,658	12.1	3.9
Non-Appalachian portion	57,852.	10,173.7	47,249.8	428.3	3,148	9,869	15,021,165	781,432	5.2	1,636,717	10.9	3.7
Appalachian portion	18,212.	1,284.4	16,889.1	38.4	2,511	7,004	4,211,322	273,553	6.5	698,941	16.6	4.4
Alabama (State Total)	3,444.20	903.480	2,533.83	6.867	2,332	7,266	874,659	70,998	8.1	181,054	20.7	4.5
Alabama (Appalachia)	2,137.30	433.330	1,700.62	3.239	2,446	7,629	55,727	46,910	8.4	102,191	18.4	4.4
AESP Portion	363.63	39.011	323.67	.952	2,608	7,430	94,777	5,906	6.2	16,639	17.6	4.3
DeKalb Co.	41.98	.821	41.12	.037	1,804	5,316	11,745	958	8.2	3,453	29.4	3.3
Jackson Co.	39.20	1.980	37.18	.047	2,014	6,372	10,509	901	8.6	2,324	22.1	6.6
Limestone Co.	41.70	7.120	34.53	.048	2,146	6,820	10,642	1,034	9.8	2,311	21.7	4.5
Madison Co.	186.54	28.000	157.80	.739	3,143	10,439	46,953	1,920	4.1	5,447	11.6	4.4
Marshall Co.	54.21	1.090	53.04	.081	2,178	6,596	14,928	1,093	7.3	3,104	20.8	4.2
Georgia (State Total)	4,589.6	1,187.149	3,391.24	11.184	2,649	8,167	1,149,771	91,353	8.0	192,465	16.7	3.2
Georgia (Appalachia)	813.6	65.231	747.48	.894	2,446	7,800	217,528	14,354	6.6	31,904	14.7	2.9
Kentucky (State Total)	3,218.7	230.793	2,981.77	6.147	2,437	7,441	825,222	57,667	7.0	158,779	19.2	4.6
Kentucky (Appalachia)	876.0	18.777	856.05	1.099	1,739	5,179	225,122	28,235	12.5	75,722	33.6	6.1
Maryland (State Total)	3,922.40	699.479	3,194.89	28.032	2,994	11,063	974,143	37,035	3.8	74,601	7.7	3.2
Maryland (Appalachia)	209.40	4.463	204.52	.374	2,615	8,197	55,173	1,858	3.4	6,343	11.5	5.0
AESP Portion	209.35	4.463	204.52	.374	2,615	8,197	55,173	1,858	3.4	6,343	11.5	5.0
Allegheny Co.	84.04	1.059	82.86	.128	2,584	8,036	22,686	732	3.2	2,576	11.4	5.2
Garrett Co.	21.48	.044	21.41	.026	1,868	6,023	5,508	264	4.8	1,223	22.2	7.7
Washington Co.	103.83	3.360	100.25	.220	2,795	8,778	26,979	862	3.2	2,544	9.4	4.3
Mississippi (State Total)	2,216.90	815.770	1,393.28	7.859	1,935	6,071	534,444	59,311	11.1	154,254	28.9	5.0
Mississippi (Appalachia)	418.60	122.108	295.70	.837	1,853	5,729	97,851	12,666	13.0	29,728	30.4	5.1
New York (State Total)	18,237.00	2,168.949	15,834.09	233.928	3,650	10,617	4,609,638	289,084	6.3	391,098	8.5	4.0
New York (Appalachia)	1,056.40	11.889	1,039.03	5.445	2,861	9,334	259,155	9,166	3.5	20,959	8.1	4.5
AESP Portion	228.98	1.978	224.93	2.054	2,731	8,720	57,681	2,090	3.6	5,079	8.8	5.2
Cattaragus Co.	81.67	.528	79.71	1.420	2,608	8,506	19,690	707	3.6	1,856	9.4	6.0
Chautauqua Co.	147.31	1.450	145.22	.634	2,800	8,838	37,991	1,383	3.6	3,223	8.5	4.9
North Carolina (State Total)	5,082.10	1,126.478	3,901.77	53.814	2,492	7,774	1,292,466	60,031	4.7	211,222	16.4	3.4
North Carolina (Appalachia)	1,037.10	95.135	937.14	4.838	2,447	7,508	278,652	11,718	4.2	44,935	16.1	3.7
AESP Portion	139.38	3.509	135.70	.153	1,923	5,926	36,990	2,187	5.9	9,052	24.5	3.5
Allegheny Co.	8.13	.236	7.89	.005	2,012	5,644	2,304	151	16.3	600	26.0	3.3
Ashe Co.	19.59	.205	19.35	.020	1,717	5,241	5,423	362	14.2	1,509	27.8	4.9
Avery Co.	12.66	.087	12.56	.012	1,739	5,526	3,232	187	14.0	934	28.9	3.6
Mitchell Co.	13.45	.026	13.41	.016	1,922	5,307	3,867	481	28.4	1,088	28.1	2.4
Watauga Co.	23.40	.225	23.14	.036	1,964	6,149	5,392	236	13.7	1,197	22.2	3.4
Wilkes Co.	49.52	2.530	46.90	.050	2,093	6,564	13,312	517	12.1	2,674	20.1	2.9
Yancey Co.	12.63	.166	12.45	.014	1,624	5,318	3,460	253	16.9	1,050	30.3	5.1
Ohio (State Total)	10,652.0	970.477	9,647.00	34.543	3,221	10,313	2,691,130	101,826	3.8	204,874	7.6	4.0
Ohio (Appalachia)	1,129.4	25.270	1,102.06	2.025	2,450	5,563	288,594	14,939	5.2	37,535	13.0	5.3
Pennsylvania (State Total)	11,793.90	1,016.514	10,737.70	39.663	3,093	9,558	3,011,130	139,552	4.6	236,993	7.9	3.7
Pennsylvania (Appalachia)	5,930.30	211.477	5,706.90	11.831	2,814	8,701	1,527,331	72,340	4.7	133,381	8.7	4.4
AESP Portion	392.67	10.073	381.89	.714	2,784	9,184	97,869	3,890	4.0	7,369	7.5	3.9
Crawford Co.	81.34	1.050	80.16	.133	2,637	8,658	20,855	716	3.4	2,127	10.2	3.5
Erie Co.	263.65	8.950	254.18	.520	2,829	9,363	65,024	2,847	4.4	4,420	6.8	4.1
Warren Co.	47.68	.073	47.55	.061	2,783	9,088	11,990	327	2.7	822	6.9	3.4
South Carolina (State Total)	2,590.5	789.041	1,794.43	7.045	2,313	7,621	628,689	27,171	4.3	119,308	19.0	3.8
South Carolina (Appalachia)	656.2	112.043	543.25	.929	2,577	8,251	164,242	5,189	3.2	22,306	13.6	2.9
Tennessee (State Total)	3,923.70	621.261	3,293.93	8.496	2,469	7,447	1,024,446	60,370	5.9	186,326	18.2	4.4
Tennessee (Appalachia)	1,733.60	102.827	1,627.73	3.057	2,251	7,093	463,263	24,255	5.2	86,184	18.6	4.7
AESP Portion	540.83	12.252	527.75	.874	2,236	6,862	145,517	7,994	5.5	29,985	20.6	6.2
Anderson Co.	60.30	2.076	58.00	.227	2,783	8,558	16,329	755	4.6	2,458	15.1	5.3
Campbell Co.	26.05	.158	25.84	.047	1,521	4,389	6,684	757	11.0	2,486	36.2	8.9
Carter Co.	42.58	.382	42.15	.040	2,057	6,195	11,662	563	4.8	2,300	19.7	6.6
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	1,537	4,266	5,190	605	11.7	2,007	38.7	7.1

Mississippi (Appalachia)	416.60	122.106	295.70	.097	1,853	5,725	97,691	12,698	13.0	29,728	30.4	5.1
New York (State Total)	18,237.00	2,168.949	15,834.09	233.928	3,650	10,617	4,609,638	289,084	6.3	391,098	8.5	4.0
New York (Appalachia)	1,056.40	11.889	1,039.03	5.445	2,861	9,334	259,155	9,166	3.5	20,959	8.1	4.5
AESP Portion	228.98	1.978	224.93	2.054	2,731	8,720	57,681	2,090	3.6	5,079	8.8	5.2
Cattaragus Co.	81.67	.528	79.71	1.420	2,608	8,506	19,690	707	3.6	1,856	9.4	6.0
Chautauqua Co.	147.31	1.450	145.22	.634	2,800	8,838	37,991	1,383	3.6	3,223	8.5	4.9
North Carolina (State Total)	5,082.10	1,126.478	3,901.77	53.814	2,492	7,774	1,292,466	60,031	4.7	211,222	16.4	3.4
North Carolina (Appalachia)	1,037.10	95.135	937.14	4.838	2,447	7,508	278,652	11,718	4.2	44,935	16.1	3.7
AESP Portion	139.38	3.509	135.70	.153	1,923	5,926	36,990	2,187	5.9	9,052	24.5	3.5
Alleghany Co.	8.13	.236	7.89	.005	2,012	5,644	2,304	151	16.3	600	26.0	3.7
Ashe Co.	19.59	.205	19.35	.020	1,717	5,241	5,423	362	14.2	1,[illegible]09	27.8	4.9
Avery Co.	12.66	.087	12.56	.012	1,739	5,526	3,232	187	14.0	9[illegible]	28.9	3.6
Mitchell Co.	13.45	.026	13.41	.016	1,922	5,307	3,867	481	28.4	1,088	28.1	2.4
Watauga Co.	23.40	.225	23.14	.036	1,964	6.149	5,392	236	13.7	1,197	22.2	3.4
Wilkes Co.	49.52	2.530	46.90	.050	2,093	6,564	13,312	517	12.1	2,674	20.1	2.9
Yancey Co.	12.63	.166	12.45	.014	1,624	5,318	3,460	253	16.9	1,050	30.3	5.1
Ohio (State Total)	10,652.0	970.477	9,647.00	34.543	3,221	10,313	2,691,130	101,826	3.8	204,874	7.6	4.0
Ohio (Appalachia)	1,129.4	25.270	1,102.06	2.025	2,450	5,563	288,594	14,939	5.2	37,535	13.0	5.3
Pennsylvania (State Total)	11,793.90	1,016.514	10,737.70	39.663	3,093	9,558	3,011,130	139,552	4.6	236,993	7.9	3.7
Pennsylvania (Appalachia)	5,930.30	211.477	5,706.90	11.831	2,814	8,701	1,527,331	72,340	4.7	133,381	8.7	4.4
AESP Portion	392.67	10.073	381.89	.714	2,784	9,184	97,869	3,890	4.0	7,369	7.5	3.9
Crawford Co.	81.34	1.050	80.16	.133	2,6[illegible]	8,658	20,855	716	3.4	2,127	10.7	3.5
Erie Co.	263.65	8.950	254.18	.520	2,829	9,363	65,024	2,847	4.4	4,420	6.8	4.1
Warren Co.	47.68	.073	47.55	.061	2,783	9,088	11,990	327	2.7	822	6.9	3.4
South Carolina (State Total)	2,590.5	789.041	1,794.43	7.045	2,313	7,621	628,689	27,171	4.3	119,308	19.0	3.8
South Carolina (Appalachia)	656.2	112.043	543.25	.929	2,577	8,251	164,242	5,186	3.2	22,306	13.6	2.9
Tennessee (State Total)	3,923.70	621.261	3,293.93	8.496	2,469	7,447	1,024,446	60,370	5.9	186,326	18.2	4.4
Tennessee (Appalachia)	1,733.60	102.827	1,627.73	3.057	2,251	7,093	463,263	24,255	5.2	86,184	18.6	4.7
AESP Portion	540.83	12.252	527.75	.874	2,236	6,862	145,517	7,994	5.5	29,985	20.6	6.2
Anderson Co.	60.30	2.076	58.00	.227	2,783	8,558	16,329	755	4.6	2,458	15.1	5.3
Campbell Co.	26.05	.158	25.84	.047	1,521	4,389	6,684	757	11.0	2,486	36.2	8.9
Carter Co.	42.58	.382	42.15	.040	2,057	6,195	11,662	563	4.8	2,300	19.7	6.6
Claiborne Co.	19.42	.272	19.14	.013	1,537	4,266	5,190	605	11.7	2,007	38.7	7.1
Green Co.	47.63	1.137	46.44	.053	1,945	6,182	12,750	397	3.1	2,690	21.1	11.2
Hancock Co.	6.72	.080	6.64	.004	1,045	2,683	1,806	261	14.5	1,003	55.5	6.3
Hawkins Co.	33.73	.992	32.70	.039	1,921	6,300	9,181	454	4.9	2,186	23.8	4.7
Johnson Co.	11.57	.104	11.49	.007	1,617	4,986	3,217	242	7.5	967	30.1	4.5
Morgan Co.	13.62	.211	13.40	.013	1,573	5,363	3,292	387	11.8	899	27.3	8.3
Roane Co.	38.88	1.568	37.22	.096	2,293	7,401	10,521	586	5.6	1,899	18.0	5.6
Scott Co.	14.76	.001	14.75	.011	1,481	4,172	3,766	662	17.6	1,584	42.1	8.7
Sullivan Co.	127.33	2.432	124.71	.183	2,705	8,372	35,196	1,255	3.6	4,646	13.2	4.1
Unicoi Co.	15.25	.007	15.23	.013	2,079	6,487	4,197	330	7.9	833	19.8	7.1
Union Co.	9.07	.001	9.07	.003	1,548	5,005	2,407	215	8.9	821	34.1	4.1
Washington Co.	73.92	2.833	70.97	.125	2,448	7,259	19,139	825	4.3	3,206	16.8	4.8
Virginia (State Total)	4,648.50	861.368	3,761.51	25.612	3,013	9,049	1,162,256	34,772	3.0	143,005	12.3	3.0
Virginia (Appalachia)	470.10	14.509	455.15	.425	2,066	6,515	124,191	6,111	4.9	26,056	21.0	4.2
AESP Portion	100.73	1.502	99.09	.79	1,734	5,419	26,763	1,323	4.9	8,137	30.4	4.9
Dickenson Co.	16.08	.103	15.96	.018	1,527	5,057	4,116	277	6.7	1,397	34.0	7.4
Lee Co.	20.32	.097	20.22	.004	1,480	3,901	5,618	441	7.8	2,220	39.5	5.1
Scott Co.	24.38	.211	24.16	.007	1,847	5,954	6,712	226	3.4	1,804	26.9	4.5
Wise Co.	35.95	.860	35.05	.035	1,828	5,875	9,267	328	3.5	2,512	27.1	4.4
Norton (City)	4.00	.225	3.70	.015	2,462	7,223	1,050	51	4.9	204	19.4	3.0
West Virginia (State Total)	1744.20	67.342	1,673.50	3.415	2,338	7,415	454,493	25,815	5.7	81,697	18.0	5.1
West Virginia (Appalachia)	1744.20	67.342	1,673.50	3.415	2,338	7,415	454,493	25,815	5.7	81,697	18.0	5.1
AESP Portion	125.55	5.500	119.84	.273	2,238	7,097	32,489	1,303	4.0	5,563	17.1	4.7
Berkeley Co.	36.36	1.340	34.93	.082	2,532	8 001	9,366	233	2.5	1,114	11.9	4.0
Grant Co.	8.61	.138	8.46	.008	1,863	5,320	2,256	114	5.1	632	28.0	5.7
Hampshire Co.	11.71	.099	11.60	.009	1,959	6,119	3,072	161	5.2	633	20.6	7.1
Hardy Co.	8.86	.214	8.63	.016	1,808	5,300	2,375	130	5.5	639	26.9	6.3
Jefferson Co.	21.32	2.770	18.51	.039	2,400	7,721	5,304	120	2.3	713	13.4	3.0
Mineral Co.	23.11	.694	22.40	.011	2,251	7,548	6,087	293	4.8	984	16.2	5.6
Morgan Co.	8.55	.106	8.43	.016	2,132	6,897	2,247	64	2.8	336	14.9	6.1
Pendleton Co.	7.03	.141	6.88	.011	1,777	5,358	1,782	188	10.5	512	28.7	5.2

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Per-Capita Income

The eight AESP states ranked from 2nd to 49th in state per-capita income. Compared to the other 50 states, New York was 2nd; Maryland, 10th; Pennsylvania, 14th; Virginia, 28th; North Carolina, 37th; Tennessee, 42nd; West Virginia, 45th; and Alabama, 49th. In 1969, none of the Appalachian portions of these states had a per-capita income higher than the national per-capita gross income of $3,139 (in 1969 dollars). Only one county had higher than the national per-capita income.

The per-capita income of 38 of the 48 counties in the AESP fell below the per-capita income of $2,511 for the 397 Appalachian counties and the same number fell below the per-capita income for the Appalachian portion of the resident state. The per-capita income of the 48 counties ranged from $1,045 in Hancock County in Tennessee to $3,143 in Madison County in Alabama, with the median at $2,424 and the mean at $2,449.

Below Poverty Level

The U.S. average low income level in 1969 was $3,218. In 1969, 10.7% of the families in the nation had incomes below the poverty level. Only two of the Appalachian portions of the 13 states comprising the Appalachian Region had a smaller percent of families below the poverty level: Appalachian New York with 8.1% and Pennsylvania with 8.7%. Only 6 of the 48 counties participating in the AESP had a smaller percent of families below the poverty level than the nation as a whole: Washington County in Maryland with 9.4%; in New York Cattaragus with 9.4% and Chautauqua with 8.5%, and in Pennsylvania Crawford County with 10.2%, Erie with 6.8% and Warren with 6.9%.

Of these 48 counties 33 had a greater proportion of families below the poverty level than the Appalachian portion of their respective states. The percent of families below the poverty level in the 48 counties ranged from 6.8 in Erie, Pennsylvania, to 55.5 in Hancock, Tennessee.

Welfare

In 1969, 5.3% of the families in the United States were on welfare. In the 48 counties participating in the AESP, 26 counties had a larger proportion of families on welfare than the nation as a whole. Twenty-five counties had a larger percent of families on welfare than their respective states. Twenty-four had a larger proportion of families on welfare than the Appalachian portion of their particular state. The percent of families on welfare in the 48 AESP counties ranged from 2.3% in Jefferson County, West Virginia to 28.4% in Mitchell County, North Carolina.

The assumption often made is that the more families on welfare the more needy the area. However, it is necessary to realize that the number of welfare recipients in a county depends, to some extent, on state qualifying requirements and attitudes of local agencies. Moreover, the U.S. Census defined the rural poverty level as 85% of the urban. These facts help explain the discrepancy between the number of families in Appalachia with incomes below the national poverty level and the number of families receiving welfare.

Unemployment Rate

Unemployment in the 48 AESP counties in 1970 ranged from 2.4% to 11.2%, compared to the national unemployment rate of 4.4% and the unemployment rate of 4.4% in the 397 Appalachian counties. Of the 48 counties 30 had an unemployment rate higher than the Appalachian Region and the nation. In 1972 the U.S. Manpower Administration reported the unemployment rate in Alabama was 5.1%; in Maryland, 5.0%; in New York, 5.9%; in North Carolina, 3.2%; in Pennsylvania, 5.4%; in Tennessee, 3.7%; in Virginia, 3.2%; in West Virginia, 7.7%.

Median Wage

As seen in Table 2 the median family income for the 48 counties in the AESP in 1969 dollars ranged from $2,683 in Hancock County, Tennessee to $10,439 in Madison County, Alabama. For the same period the national median family income was $9,590 and the median family income for the Appalachian Region was $7,004. Of the 48 counties 16 had median family incomes higher than the median for the 397 Appalachian counties, but only one county has a median family income higher than the national median.

In Chautauqua and the RESAs associated with it for the AESP, almost as many families earned above $12,000 as below $7,000 (42,036 to 49,308). In Dilenowisco and its associated areas, almost as many earned above $12,000 as below $2,000 (6,940 to 10,336); in Clinch-Powell and its associated areas, less earned above $12,000 than below $3,000 (25,997 to 27,841); in Maryland and its associated areas, less earned above $12,000 than below $4,000 (15,775 to 17,397), and in TARCOG less earned above $12,000 than below $5,000 (26,250 to 28,063).

Job Category

Table B in the appendix shows the number of workers in 1970 by county in ten different job categories, and Table 3 summarizes by RESA and RESA triangle the percentage of the work force in each category.

In 1970 in the RESA areas, the largest two occupational groups were the operatives and craftsmen, while the smallest occupational group was farm laborers. Nationally the largest two occupational groups were operatives and clerical workers, while the smallest occupational group was farm laborers.

4) What are the educational characteristics of the area? How many teachers, administrators, guidance counselors, and students are there? What is the per-pupil expenditure?

For course development, project management, and evaluation it is necessary to know the size of the public school budget and population, in order to: (1) determine the potential impact of the project on the region by comparing the number of school personnel directly or indirectly affected by the courses to the total school personnel population; (2) to develop sampling schemes for in-process and follow-up research and optimal teacher selection; (3) to obtain insight into the quality and equality of educational opportunity in the Appalachian region.

Educational Population

Table 4 quantifies by RESA the 1973-74 students, teachers, guidance counselors, administrative personnel, and supervisors in the 48 counties participating in the AESP. All categories except super-

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TABLE 3

MAIN SOURCES OF EMPLOYMENT IN THE RESA AREAS

County	Profes-sional	Managers Except Farm	Sales	Clerical	Opera-tives	Labor Except Farm	Farm Mana-gers	Farm Laborers	Crafts-men	Service & House-hold	Total
CHAUTAUQUA											
Cattaragus	13.0%	6.6%	5.5%	13.2%	21.9%	5.1%	3.2%	1.5%	14.5%	15.2%	29,184
Chautauqua	12.4%	6.9%	6.6%	16.0%	21.4%	4.4%	2.5%	2.1%	14.6%	13.1%	55,616
Northwest Tri-County	12.7%	7.3%	6.5%	16.0%	23.0%	7.2%	7.2%	2.1%	17.0%	11.5%	146,625
Total	12.7%	7.1%	6.4%	15.6%	22.5%	6.3%	5.6%	2% %	16.1%	12.4%	231,425
CLINCH-POWELL											
Clinch-Powell	9.1%	5.2%	4.3%	8.2%	29.0%	7.2%	7.2%	2.1%	17.0%	11.0%	16,700
TAEC	18.0%	6.7%	4.9%	11.6%	23.0%	5.5%	.5%	.3%	17.0%	12.5%	43,865
UETEC	12.4%	6.7%	5.6%	13.1%	26.3%	5.0%	2.1%	1.1%	16.2%	9.9%	127,733
Total	13.4%	6.6%	5.3%	12.3%	25.8%	5.3%	2.2%	1.0%	16.5%	10.6%	188,298
DILENOWISCO											
Dilenowisco	10.1%	6.5%	6.0%	9.7%	25.9%	7.6%	5.5%	1.2%	19.4%	11.1%	28,433
Northwest Regional Center	7.9%	6.5%	3.9%	10.1%	33.5%	6.5%	4.6%	2.4%	15.1%	9.2%	51,990
Total	8.7%	6.5%	4.6%	10.0%	30.8%	6.9%	4.9%	2.0%	16.6%	9.9%	80,423
MARYLAND											
Curriculum Improvement Center, W.Va.	10.8%	6.9%	4.4%	11.8%	22.0%	7.1%	3.5%	2.9%	16.6%	12.6%	105,490
Maryland	12.0%	7.3%	6.2%	14.7%	22.4%	4.8%	1.6%	1.2%	17.1%	12.6%	74,695
Total	11.3%	7.1%	5.1%	13.0%	22.2%	6.1%	2.7%	2.2%	16.8%	12.6%	180,185
TARCOG											
TARCOG	19.5%	8.4%	5.9%	13.5%	19.5%	4.3%	2.7%	1.8%	13.5%	11.0%	128,793
GRAND TOTAL	13.2%	7.1%	5.6%	13.4%	23.5%	5.8%	3.6%	1.8%	16.0%	11.6%	809,124

TABLE 4

EDUCATIONAL POPULATION IN THE RESA AREAS

Area	Students	Teachers	Guidance Counselors	Administrators	Supervisors
CHAUTAUQUA					
Cattaragus	19,523	1,111	38	49	
Chautauqua	26,767	1,374	34	91	
Northwest Tri-County	67,379	3,822	114	149	
Totals	113,669	6,307	186	289	
CLINCH-POWELL					
Clinch-Powell	15,081	611	8	75	
TAEC	29,408	1,425	20	83	28
UETEC	79,907	3,473	34	205	—
Totals	124,396	5,509	62	363	28
DILENOWISCO					
Dilenowisco	27,561	1,270	38	57	26
Northwest Regional Media Center	32,435	1,440	21.5	64	16
Totals	59,996	2,710	59.5	121	42

TABLE 4 -- CONTINUED

Area	Students	Teachers	Guidance Counselors	Administrators	Supervisors
MARYLAND					
C.I.C., West Virginia	31,906	1,423	37	121	
Maryland	46,375	2,085	44.5	127	
Totals	78,281	3,508	81.5	248	
TARCOG*					
Totals	38,680	1,644.5	30	82	
GRAND TOTAL	415,022	19,678.5	419	1,103	70

*DeKalb not included

visors are subdivided into primary (K-8) and secondary (9-12). In the 48 AESP counties there are 415,022 students, 19,678 teachers, 419 guidance counselors, 1,103 administrators and 70 persons classified as supervisors. Table C in the appendix gives a breakdown of this information by county.

Counselor-Pupil Ratio

In the districts in the 48 counties participating in AESP the counselor-pupil ratio for grades 9-12 varies from one counselor to 247 students to one counselor to 1,035 students. For grades K-8, 28 of the counties report there are no counselors while the counselor-pupil ratio for grades K-8 in the remaining 20 counties varies from one counselor to 16,541 students to one counselor to 399 students.

Teacher-Pupil Ratio

Table 5 gives the teacher-pupil ratio for each of the participating RESAs. In the districts in the 48 counties the teacher-pupil ratio in grades K-8 ranges from one teacher to 15.96 students to one teacher to 32.46 students. In grades 9-12 the teacher-pupil ratio ranges from one teacher to 10.55 students to one teacher to 27.26 students.

Per-Pupil Expenditure

The median of the per-pupil expenditures of the five RESA triangles is $714.16, excluding the City of Erie and DeKalb County. The national per-pupil expenditure in 1972-73 was $1,064. Most of the schools in the areas served by the AESP are funded below the

TABLE 5

TEACHER-PUPIL RATIO

Area	Teacher-Pupil Ratio
CHAUTAUQUA	
Cattaragus	1 to 17.57
Chautauqua	1 to 19.48
Northwest Tri-County	1 to 17.63
Total	1 to 18.02
CLINCH-POWELL	
Clinch-Powell	1 to 24.68
Tennessee Appalachia Educational Cooperative	1 to 20.64
Upper East Tennessee Educational Cooperative	1 to 23.01
Total	1 to 22.58
DILENOWISCO	
Dilenowisco	1 to 21.70
Northwest Regional Media Center	1 to 22.52
Total	1 to 22.14
MARYLAND	
Curriculum Improvement Center, West Virginia	1 to 22.42
Maryland	1 to 22.24
Total	1 to 22.31
TARGOC	
TARCOG	1 to 23.52
GRAND TOTAL	1 to 21.09

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national level. According to data reported by the U.S. Office of Education, in Statistical Abstracts--1973, only three of the eight AESP states ranked in the top twenty states in per-pupil expenditure (New York, first in the nation spending $1,584 per pupil; Pennsylvania, 9th spending $1,177; and Maryland, 16th spending $1,065 per pupil.) Three of the AESP states are among the bottom ten states in the nation in per-pupil expenditure (Alabama, 50th spending $590 per pupil; Tennessee, 44th spending $730 per pupil; and West Virginia, 47th spending $703.)

The projected per-pupil expenditure across the eleven RESAs for which 1973-4 estimates were supplied, ranged from $509.63 to $1,469.65. In the 106 school districts in the RESAs per-pupil expenditure ranged from $408.63 to $1,651. In nine of the eleven RESAs reporting, the estimated per-pupil expenditure is lower than the corresponding state average, meaning the schools regions served by AESP tend to spend less per student than the entire states in which they are located. On the request of RESAs district-by-district per-pupil expenditures are not being released. Table 6 presents the RESA expenditures.

5) What career education programs already exist in the region?

It is necessary to know what career education programs exist in the region, in order to: (1) design career education courses that fulfill unmet needs and supplement existing programs, and (2) gather data for existing programs which is useful in developing appropriate career education objectives.

TABLE 6

PER-PUPIL EXPENDITURE IN THE RESA AREAS

Area	Pupils	Per Pupil Expenditure
CHAUTAUQUA		
Cattaragus	20,761	$1,469.65
Chautauqua	26,734	$1,239.64
Northwest Tri-County*	68,023	$ 951.60
Chautauqua Mean*	115,518	$1,111.36
CLINCH-POWELL		
Clinch-Powell	15,081	$509.63
TAEC	31,631	$593.68
UETEC	79,558	$524.01
Clinch-Powell Mean	126,270	$539.75
DILENOWISCO		
Dilenowisco	25,391	$731.09
Northwest Regional Media Center	31,530	$700.52
Dilenowisco Mean	56,921	$714.16
MARYLAND		
Curriculum Improvement Center	30,901	$664.89
Maryland	46,375	$888.72
Maryland Mean	77,276	$799.22
TARCOG		
TARCOG**	39,405	$595.33
GRAND MEAN***	394,629	$739.67
MEDIAN	$714.16	
RANGE	$509.63 - 1,469.65	

*City of Erie excluded
**DeKalb County excluded
***City of Erie and DeKalb County excluded

Career-Education Programs

Ten out of eleven RESAs reporting named 36 presently existing career-education programs. As might be expected, career-awareness programs are most common in K-6; career-exploration programs in 7-9; and job-preparation programs in 10-12. Calculating the number of programs of each type is relatively meaningless, since the number of students participating in each program varies. However, the description of the programs in Table D of the appendix provides a qualitative overview. The list indicates that most job-preparatory programs are directed toward the potential dropout or the below-average student.

(6) What standardized tests are regularly administered in the region?

This information is potentially useful in course construction and evaluation: (1) to get a general reading of prevalent conditions in the region, if comparable reading or career-education tests are widely used; (2) to discover how familiar with administration and interpretation of particular tests personnel in the region are; (3) to find out the existing testing programs in the region that could provide potential data bases for follow-up research.

The various standardized tests given in each of the participating RESAs are listed in Table 7. Each test is given in one or more districts within the RESA areas, but rarely to all schools in the area. More specific information on test forms, grade levels tested, and the usual dates for administration are reported by district in Tables E and F in the appendix.

TABLE 7

SUMMARY OF DISTRICT-WIDE STANDARDIZED TESTS

Area	Name of Test
CHAUTAUQUA	
Cattaragus	Information not received
Chautauqua	Iowa Test of Basic Skills Kuhlmann Anderson Metropolitan Achievement Metropolitan Readiness Otis Lennon PEP
Northwest Tri-County	California Achievement Gates-MacGinitie Reading Iowa Test of Basic Skills Otis Lennon Readiness Skills SCAT-STEP Stanford Achievement
CLINCH-POWELL	
Clinch-Powell	Durrell Metropolitan Achievement San Diego Stanford Achievement
Tennessee Appalachian Educational Cooperative	Ginn Diagnostic Reading Metropolitan Achievement Metropolitan Readiness Otis Lennon Stanford Achievement
Upper East Tennessee Educational Cooperative	California Reading Comprehensive Test of Basic Skills Gates-MacGinitie Harper-Row Basal Reading Metropolitan Achievement Metropolitan Readiness Peabody Language Peabody Picture Vocabulary Slosson Vocabulary Stanford Achievement

TABLE 7 -- CONTINUED

Area	Name of Test
DILENOWISCO	
Dilenowisco	California Achievement Metropolitan Readiness SCAT SRA STEP
Northwest Regional Media Center	Iowa Test of Basic Skills Metropolitan Achievement Stanford Achievement
MARYLAND	
Curriculum Improvement Center (W.Va.)	Arms Service Vocational Aptitude Battery California Reading Educational Development Series GAT-B Kuder Primary Mental Abilities Scholastic Testing Service Stanford Achievement Stanford Diagnostic Reading Stanford Early Achievement
Maryland	CAT Iowa Test of Basic Skills Lee Clark Metropolitan Readiness Otis
TARCOG	
TARCOG	Academic Aptitude California Achievement California Test of Basic Skills California Test of Mental Maturity Gates-MacGinitie Lee Clark Kuder Kuhlmann-Anderson Metropolitan Readiness SFTAA Winterhaven Perception Wisconsin Reading

(7) Which universities in the region could offer graduate credit for the AESP courses?

Persons enrolling in the reading and career education courses produced by the AESP have the option of receiving graduate credit through the University of Kentucky or local graduate institutions. In Table 8 are listed the local universities with which RESAs are negotiating and the locations of the universities.

SUMMARY

The data document that the 48 Appalachian counties participating in the AESP are economically below the national average, and that the majority of the counties are among the more economically deprived Appalachian counties.

* Only one county had a 1969 per-capita income higher than the national average.
* Over three-fourths have per-capita incomes smaller than their state and the Appalachian Region as a whole.
* Seven-eighths have a larger proportion of families below the low income level than the nation.
* Two-thirds have a greater proportion of families below the low income level than the Appalachian portion of their respective state.
* Over half have a larger proportion of families on welfare than the nation, their resident state, and even the Appalachian portion of their particular state.

TABLE 8

UNIVERSITIES POTENTIALLY OFFERING GRADUATE CREDIT

University	City
CHAUTAUQUA	
Allegany College	Meadville, Pa.
Behrend College	Erie, Pa.
Cannon College	Erie, Pa.
Edinboro State	Edinboro, Pa.
St. Bonaventure University	St. Bonaventure, N.Y.
State University College at Fredonia	Fredonia, N.Y.
CLINCH-POWELL	
East Tennessee State University	Johnson City
University of Tennessee	Knoxville
DILENOWISCO	
University of Virginia	Charlottesville
Virginia Commonwealth University	Richmond
Virginia Polytechnical State University	Blacksburg, Va.
Appalachia State University	Boone, N.C.
MARYLAND	
Frostburg State College	Frostburg, Md.
West Virginia University	Morgantown, W.Va.
TARCOG	
Alabama A & M	Huntsville
Athens College	Athens
Florence State University	Florence
Jacksonville	Jacksonville
University of Alabama	Huntsville

* Over seven-twelfths have an unemployment rate higher than the nation or the Appalachian Region.
* Two-thirds have median family incomes lower than the Appalachian Region.

The data indicate that educational conditions differ in the 48 Appalachian counties in the AESP.

* The counselor-pupil ratio ranges from 1 to 247 to 1 to 1,035 in grades 9-12.
* The teacher-pupil ratio ranges from 1 to 15.98 to 1 to 32.46 in grades K-8.
* The teacher-pupil ratio ranges from 1 to 10.55 to 1 to 27.26 in grades 9-12.
* The per-pupil expenditure ranges from $408.63 to $1,651.

What this means to the AESP is that there is not a homogeneous Appalachian population to which a product can easily be shaped. Those developing any educational product for Appalachia must take into account the great diversity of educational, economic and social conditions in the region.

APPENDIX

Table		Page
A	ACCESSIBILITY TO SITES	31
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C	EDUCATIONAL POPULATION IN COUNTIES	36
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E	DISTRICT WIDE STANDARDIZED TESTS	49
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TABLE A

ACCESSIBILITY TO SITES

County	Maximum Travel Time	Maximum Travel Distance	MPH
CHAUTAUQUA			
Cattaragus	(Information not received)		
Chautauqua			
Chautauqua	60 min.	40 mi.	40
Northwest Tri-County			
Erie	45 min.	30 mi	40
Crawford	45 min.	30 mi.	40
Warren	90 min.	80 mi.	54
CLINCH-POWELL			
Clinch-Powell			
Campbell	45 min.	34 mi.	46
Claiborne	90 min.	55 mi.	37
Hancock	135 min.	83 mi.	37
Union	120 min.	76 mi.	38
Tennessee Appalachia Educational Cooperative			
Scott	50 min.	50 mi.	60
Anderson	45 min.	45 mi.	60
Roane	45 min.	45 mi.	60
Morgan	30 min.	30 mi.	60
Upper East Tennessee Educational Cooperative			
Carter	60 min.	34 mi.	34
Green	60 min.	47 mi.	47
Hawkins	105 min.	70 mi.	40
Johnson	75 min.	53 mi.	43
Unicoi	50 min.	36 mi.	44
Sullivan	60 min.	33 mi.	33
Washington	30 min.	22 mi.	44

TABLE A -- CONTINUED

County	Maximum Travel Time	Maximum Travel Distance	MPH
DILENOWISCO			
Dilenowisco			
Dickenson	60 min.	47 mi.	47
Lee	50 min.	44 mi.	53
Wise	40 min.	30 mi.	40
Scott	60 min.	50 mi.	50
Northwest Regional Media Center			
Alleghany	75 min.	62 mi.	50
Ashe	60 min.	40 mi.	40
Avery	75 min.	50 mi.	38
Mitchell	90 min.	74 mi.	50
Wilkes	75 min.	51 mi.	41
Yancey	105 min.	75 mi.	43
Watauga	20 min.	18 mi.	54
MARYLAND			
Curriculum Improvement Center West Virginia			
Berkeley	90 min.	100 mi.	67
Grant	75 min.	65 mi.	49
Hampshire	60 min.	45 mi.	45
Hardy	90 min.	75 mi.	50
Jefferson	120 min.	125 mi.	62
Mineral	20 min.	20 mi.	60
Morgan	60 min.	55 mi.	55
Pendleton	150 min.	125 mi.	50
Maryland			
Allegany	40 min.	25 mi.	34
Garrett	55 min.	40 mi.	44
Washington	105 min.	80 mi.	46
TARCOG			
DeKalb	35 min.	29 mi.	50
Jackson	65 min.	53 mi.	50
Limestone	50 min.	39 mi.	47
Madison	20 min.	16 mi.	48
Marshall	25 min.	20 mi.	47

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TABLE B

MAJOR SOURCES OF EMPLOYMENT

County	Profes-sional	Managers Except Farm	Sales	Clerical	Opera-tives	Labor Except Farm	Farm Mana-gers	Farm Laborers	Crafts-men	Service & House hold	Total
CHAUTAUQUA											
Cattaragus BOCES											
Cattaragus	13.0%	6.6%	5.5%	13.2%	21.9%	5.1%	3.2%	1.5%	14.5%	15.2%	29,184
Chautauqua BOCES											
Chautauqua	12.4%	6.9%	6.6%	16.0%	21.4%	4.4%	2.5%	2.1%	14.6%	13.1%	55,616
Northwest Tri-County											
Crawford	11.5%	7.0%	5.6%	12.9%	25.2%	4.7%	2.6%	1.0%	18.0%	11.4%	30,461
Erie	13.0%	7.4%	7.2%	16.6%	22.1%	4.1%	1.0%	.8%	16.5%	11.3%	98,722
Warren	12.8%	7.1%	4.2%	16.7%	22.3%	6.1%	1.5%	.6%	16.1%	12.7%	17,442
CLINCH-POWELL											
Clinch-Powell											
Campbell	10.0%	5.8%	3.9%	7.1%	29.7%	8.5%	2.0%	.5%	18.2%	14.3%	6,560
Claiborne	9.4%	5.2%	5.8%	10.7%	25.5%	4.4%	9.8%	2.1%	17.0%	10.1%	5,467
Hancock	11.9%	4.4%	3.8%	5.9%	21.3%	9.1%	18.6%	3.2%	13.7%	8.1%	1,574
Union	5.0%	4.1%	2.7%	7.5%	35.5%	8.2%	7.6%	4.9%	16.6%	7.9%	3,099
Tennessee Appalachian Educational Cooperative											
Anderson	25.6%	6.8%	5.7%	13.4%	13.0%	4.6%	.3%	.1%	18.0%	12.6%	21,589
Morgan	8.4%	5.5%	3.2%	7.1%	36.3%	8.4%	1.7%	1.1%	16.9%	11.4%	3,636
Roane	11.6%	6.2%	4.4%	10.6%	31.8%	5.6%	.5%	.2%	18.0%	11.2%	14,629
Scott	10.4%	8.8%	4.3%	9.2%	29.3%	7.5%	.7%	.8%	11.4%	17.6%	4,011
Upper East Tennessee Educational Cooperative											
Carter	11.8%	5.3%	5.9%	12.8%	31.7%	5.4%	.8%	.7%	16.4%	9.0%	14,677
Green	10.1%	6.3%	4.9%	10.7%	26.4%	4.7%	9.3%	1.9%	14.3%	11.4%	17,115

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TABLE B -- CONTINUED

County	Profes-sional	Managers Except Farm	Sales	Clerical	Opera-tives	Labor Except Farm	Farm Mana-gers	Farm Laborers	Crafts-men	Service & House-hold	Total
Hawkins	8.2%	4.1%	4.2%	9.9%	30.9%	7.1%	5.3%	2.2%	18.3%	9.8%	11,143
Johnson	6.1%	4.2%	2.2%	8.3%	42.7%	5.0%	7.5%	3.1%	12.3%	8.6%	4,041
Unicoi	10.2%	7.0%	2.9%	10.0%	30.8%	7.2%	5.4%	.6%	17.8%	8.1%	5,092
Sullivan	14.1%	7.1%	6.1%	15.3%	24.0%	4.4%	.8%	.6%	17.4%	10.2%	49,007
Washington	14.4%	8.2%	6.5%	13.4%	22.3%	4.9%	2.7%	1.0%	14.4%	12.0%	26,658
DILENOWISCO											
Dilenowisco											
Dickenson	10.1%	7.8%	4.6%	7.5%	34.5%	6.2%	0	0	21.0%	8.2%	3,431
Lee	11.5%	6.3%	5.1%	7.9%	20.7%	9.2%	11.1%	4.2%	12.0%	11.4%	5,081
Scott	8.1%	4.5%	4.9%	9.2%	26.9%	9.7%	6.7%	1.4%	19.3%	9.3%	7,351
Wise	10.2%	7.0%	6.5%	10.0%	27.6%	6.2%	.6%	.3%	19.1%	12.5%	10,104
Norton	13.3%	8.7%	10.6%	16.3%	14.9%	6.2%	0	0	15.6%	14.4%	2,466
Northwest Regional Media Center											
Alleghany	6.9%	6.3%	3.3%	6.9%	37.1%	6.8%	6.2%	4.1%	13.9%	8.6%	3,244
Ashe	6.2%	5.2%	3.7%	6.8%	38.7%	6.6%	8.8%	2.7%	15.1%	6.0%	7,096
Avery	7.7%	5.8%	3.1%	9.1%	31.1%	6.6%	2.0%	2.7%	16.3%	15.6%	4,407
Mitchell	8.6%	7.4%	4.4%	11.3%	34.1%	6.1%	3.1%	1.1%	17.0%	6.8%	4,721
Watauga	14.3%	7.4%	4.6%	12.8%	20.1%	5.8%	5.0%	1.7%	15.2%	13.2%	8,356
Wilkes	6.3%	6.8%	4.1%	10.9%	36.7%	6.3%	3.0%	2.8%	14.3%	8.3%	19,763
Yancey	5.3%	6.0%	2.9%	8.3%	35.6%	8.4%	7.4%	1.6%	16.6%	8.0%	4,403
MARYLAND											
Curriculum Improvement Center, West Virginia											
Berkeley	11.2%	6.0%	5.3%	14.3%	24.2%	5.4%	2.2%	2.0%	17.8%	11.7%	13,533
Grant	8.3%	7.1%	3.9%	7.6%	24.8%	11.4%	5.8%	2.7%	16.9%	11.1%	2,785
Hampshire	11.0%	4.5%	3.8%	11.0%	23.1%	7.7%	7.2%	5.8%	15.0%	11.0%	3,969
Hardy	5.3%	6.5%	3.1%	8.3%	26.8%	8.2%	9.9%	5.8%	16.2%	9.8%	2,978
Jefferson	15.0%	7.6%	4.4%	11.8%	17.6%	6.1%	3.5%	4.9%	14.5%	14.6%	8,155
Mineral	9.8%	7.7%	4.2%	11.3%	21.3%	8.0%	3.5%	2.5%	16.8%	13.1%	47,605

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TABLE B -- CONTINUED

County	Profes-sional	Managers Except Farm	Sales	Clerical	Opera-tives	Labor Except Farm	Farm Mana-gers	Farm Laborers	Crafts-men	Service & House-hold	Total
Morgan	12.2%	6.1%	4.9%	12.7%	22.1%	5.7%	2.4%	2.8%	16.4%	12.6%	24,479
Pendleton	11.5%	5.5%	3.4%	7.1%	28.0%	9.5%	6.0%	2.6%	18.2%	8.2%	1,986
Maryland											
Allegany	13.5%	7.3%	6.7%	14.1%	23.5%	4.8%	.3%	.4%	16.1%	13.4%	29,084
Garrett	9.3%	6.4%	4.9%	11.5%	23.8%	8.4%	6.5%	1.9%	16.0%	11.2%	6,412
Washington	11.4%	7.5%	6.1%	15.7%	21.4%	4.2%	1.8%	1.7%	18.1%	12.3%	39,199
TARCOG											
DeKalb	7.3%	5.7%	6.6%	7.9%	34.7%	6.4%	6.9%	3.0%	14.2%	7.3%	14,060
Jackson	8.0%	5.9%	4.5%	9.8%	31.8%	6.9%	4.1%	1.8%	17.0%	10.2%	13,428
Limestone	11.7%	7.0%	5.1%	10.9%	21.0%	5.6%	3.6%	4.6%	17.2%	13.3%	14,653
Madison	28.4%	9.7%	6.3%	17.0%	11.4%	2.6%	1.0%	1.0%	11.1%	11.6%	67,398
Marshall	11.1%	8.9%	5.7%	9.7%	26.8%	5.6%	4.1%	1.4%	16.2%	10.6%	19,254

TABLE C

EDUCATIONAL POPULATION IN COUNTIES

County	Students K-8	Students 9-12	Teachers K-8	Teachers 9-12	Guidance Counselors K-8	Guidance Counselors 9-12	Administrators K-8	Administrators 9-12	Supervisors
CHAUTAUQUA									
Cattaragus									
Cattaragus	13,438	6,085	- 1,111 -		- 38 -		- 49 -		
Chautauqua									
Chautauqua	17,975	8,792	884	490	3	31	32	59	
Northwest Tri-County									
Erie	20,871	19,627	1,099	1,304	9	68	41	46	
Crawford	8,686	7,277	544	384	5	17	18	15	
Warren	5,749	5,169	211	280	1	14	16	13	
CLINCH-POWELL									
Clinch-Powell									
Campbell	4,794	2,062	204	104	0	4	24	7	
Claiborne	3,258	1,292	120	57	0	2	18	5	
Hancock	1,120	414	38	19	0	1	9	2	
Union	1,623	518	50	19	0	1	8	2	

TABLE C -- CONTINUED

County	Students K-8	Students 9-12	Teachers K-8	Teachers 9-12	Guidance Counselors K-8	Guidance Counselors 9-12	Administrators K-8	Administrators 9-12	Supervisors
Tennessee Appalachia Educational Cooperative									
Scott	3,030	1,310	113	64	0	2	8	2	2
Roane	4,631	1,917	240	125	1	6	15	5	10
Anderson	10,100	4,831	436	297	0	8	32	10	14
Morgan	2,518	1,071	100	50	0	3	10	1	2
Upper East Tennessee Educational Cooperative									
Carter	7,076	2,907	239	156	0	6	21	7	
Green	7,869	3,008	301	285	0	6	18	13	
Hawkins	5,627	2,189	201	106	0	5	15	7	
Johnson	1,780	758	59	31	0	1	9	2	
Unicoi	2,551	1,035	91	41	0	1	7	2	
Sullivan	20,071	8,846	715	630	0	8	58	11	
Washington	11,541	4,649	376	242	0	7	25	10	
DILENOWISCO									
Dilenowisco									
Dickenson	3,008	1,363	117	108	3	7	6	4	4
Lee	3,842	1,685	157	137	4	6	9	5	6
Wise	7,078	2,827	242	185	1	11	3	8 1/2	12
Scott	4,541	1,730	149	117	0	4	12	5 1/2	2
Norton	959	528	33	25	1	1	2	2	2

TABLE C -- CONTINUED

County	Students K-8	Students 9-12	Teachers K-8	Teachers 9-12	Guidance Counselors K-8	Guidance Counselors 9-12	Administrators K-8	Administrators 9-12	Supervisors
Northwest Regional Media Center									
Alleghany	1,287	575	54	36	0	1	3	1	1
Ashe	3,093	1,368	128	83	0	3	7	3	2
Avery	2,208	909	89	45	0	1	6	1	1
Mitchell	1,957	974	80	46	0	2	4	2	1
Watauga	3,030	1,419	162	69	6	3	8	1	1
Wilkes	8,729	1,947	328	102	0	4	15	3	8
North Wilkesboro	598	1,512	27	68	0	1 1/2	1	1	1
Yancy	1,966	863	85	38	0	0	6	2	1
MARYLAND									
Curriculum Improvement Center West Virginia									
Berkeley	6,588	3,219	283	136	2 1/3	6 2/3	27 2/3	5 1/3	
Grant	1,482	851	69	41	2/3	2 1/3	7	3	
Hampshire	1,855	891	80	43	0	2	9 1/3	2 2/3	
Hardy	- 1,522 -		- 71 -		1	2	6	2 2/3	
Jefferson	4,008	1,443	199	71	7	1 1/3	17 2/3	6 1/3	
Mineral	4,075	2,164	158	88	2	4 2/3	13 2/3	4	
Morgan	1,481	712	74	32	1	2	7	2	
Pendleton	1,120	495	52	26	0	2	5	2	
Maryland									
Allegany	11,471	5,510	405	275	4	12	27	23	
Garrett	4,205	1,582	207	72	0	5	7	5	
Washington	16,541	7,066	757	369	1	22 1/2	46	19	

TABLE C -- CONTINUED

County	Students		Teachers		Guidance Counselors		Administrators		Supervisors
	K-8	9-12	K-8	9-12	K-8	9-12	K-8	9-12	
TARCOG									
Arab City	1,597	980	63	40	4	1	3	2	
DeKalb	(Information not received)								
Fort Payne City	1,081	635	43	31	0	1	2	1	
Guntersville City	1,436	891	68	41	1	2	4	2	
Jackson	4,794	1,732	179	89	3	3	12	8	
Limestone	4,873	1,821	245	97	0	6	- 6 -		4
Madison	7,315	3,164	232	235 1/2	0	7	19	6	
Marshall	6,032	2,329	254	130	2	5	17	5	

TABLE D

CAREER EDUCATION PROGRAMS IN THE FIVE MAIN RESA

CHAUTAUQUA

Cattaragus - No information received

Chautauqua County

Title: CAP K-6

Schools involved:
All Meadville Elementary Schools

Person to contact:
Mary Siegel

Program Description: Units are developed for career awareness at different levels. The approach is one of using field trips, consultants and speakers to reach the objectives.

Title: PRODS and VAULT

Schools involved:
Saegertown High School
Meadville JHS
Cochranton HS
Townville HS
Randolph-East HS
Conneaut Lake HS
Conneaut Valley
Linesville HS

Person to contact:
David Minnis

Program Description: Career programs sponsored by the Federal Education Projects Center in Meadville, Pa., and is available to districts in the Crawford County Consortium. This program centers around resource units developed by groups of teachers. The attempt is to unify subject areas and to individualize instruction. A computer is used to store the data and make quick retrieval of information possible. Teachers implement the units within their own classrooms during the year. The objectives of the total career program are to help students (1) obtain a broad understanding of the world of work; (2) have realistic role identification and goals and (3) upon completion of all education, have a saleable skill which is fulfilling to self and society.

Title: CARED

Schools involved:
All elementary schools in Conneaut District

Person to contact:
Davis Minnis

Program Description: Same as PRODS and VAULT

TABLE D -- CONTINUED

Title: CARE

Schools involved:	Person to contact:
McDowell High School	Gino Carlotti

Program Description: Junior and senior students are able to go out into the community and work-observe in the career they wish to pursue. Seminars are conducted for evaluative purposes. Arrangements are made with colleges for students to spend one week observing classes related to the profession the student chooses to investigate.

CLINCH-POWELL

Clinch-Powell

No career education programs in area.

Tennessee Appalachian Educational Cooperative

Title: K-6 program

Schools involved:	Person to contact:
Clinton Elementary	Paul Pratt
North Clinton	Paul Pratt
Coalfield	Lloyd Bryson

Program Description: Career corners and exploratory laboratory, introduction to world of work. Development of model for exploring world of work as it relates to everyday classroom activities.

Upper East Tennessee Education Cooperative

No career education programs in area.

DILENOWISCO EDUCATIONAL COOPERATIVE

Dilenowisco Educational Cooperative

Title: Career Education for Grades K-12

Schools involved:	Person to contact:
All Norton City Schools	Zeplin Lee Jr.

Program Description: Integration into curriculum using OE clusters and learning resources areas.

TABLE D -- CONTINUED

Wise County

Title: Wise County Pre-Vocational Education Program

Schools involved: Wise County Schools
Person to contact: Linville Reed

Program Description: Designed as a total program for students who failed a grade twice.

Northwest Regional Media Center

Title: None given

Watauga County

School involved: Valle Crucis Elementary
Person to contact: Joe McNeil, Principal

Program Description: Utilization of career activities from early childhood through 8th grade.

MARYLAND

Curriculum Improvement Center, West Virginia

Allegany County

Title: Integrated Program

Schools involved: All schools K-6
Person to contact: Theodore Foote

Title: Career Exploration Lab.

Schools involved: All schools 7th grade
Person to contact: Dana George

Program Description: Career awareness and curriculum supplemental activities.

Title: Vocational Evaluation

Schools involved: All schools 9th grade
Person to contact: Rick Mappin

Program Description: Measures vocational potential.

TABLE D -- CONTINUED

Berkeley County

Title: Career Education Demonstration

Schools involved: Berkeley Heights
Person to contact: Robert Cleaver

Program Description: Career education through industrial arts.

Title: Career Education Demonstration

School involved: North Junior High
Person to contact: Ellen Forestundi

Program Description: Emphasis on self careers through World, American, and West Virginia Studies.

Title: Career Education Demonstration

School involved: Musselman High
Person to contact: Roxanne Frye

Program Description: Potential dropout identification.

Garrett County

Title: Man, His Environment, His Culture, and His Work.

Schools involved: All schools K-6
Person to contact: Gary Stanton

Program Description: Career awareness and curriculum supplemental activities.

Title: Career-Vocational Cluster Center

Schools involved: All schools 7th and 8th grades
Person to contact: Gary Stanton

Title: Integrated Program

Schools involved: All schools 9, 10, 11, and 12th grades
Person to contact: Gary Stanton

Grant County

Title: Career Education Demonstration

School involved: Petersburg High
Person to contact: Joanne Harmon

Program Description: Career orientation awareness.

TABLE D -- CONTINUED

Hampshire County

Title: Career Education Demonstration

Schools involved:	Person to contact:
Capon Bridge	Paul Bumgard
Romney Junior High	

Program Description: Careers study through Media Center.

Hardy County

Title: Career Education Demonstration

School involved:	Person to contact:
Wardensville	Virginia Vance

Program Description: Potential drop-out program for an isolated class.

Jefferson County

Title: Career Education Demonstration

School involved:	Person to contact:
Shepherdstown Junior	Mary Dobbins

Program Description: An integrated program based on a career education text.

Title: Career Education Demonstration

Schools involved:	Person to contact
Wright Denny	Jeanette Little
Page Jackson	

Program Description: Integration of career processes into school curriculum.

Mineral County

Title: Career Education Demonstration

School involved:	Person to contact:
Fort Ashby	Ed Riley

Program Description: Integrated career awareness/exploration through classes.

TABLE D -- CONTINUED

Title: Career Education Demonstration

School involved: Ridgeley

Person to contact: Jean Abbott

Program Description: Isolated class/career education.

Morgan County

Title: Career Education Demonstration

School involved: Berkeley Springs High

Person to contact: Ken Newbrough and Glenn Wells

Program Description: Work study program for identification of deprived students and students established a small scale business for product production.

Pendleton County

Title: Career Education Demonstration

School involved: Franklin High

Person to contact: Becky Hammer

Program Description: Guidance counselor/social studies class work towards emphasis on self.

Washington County

Title: none given

Schools involved: Fountain Rock, Pangborn, Potomac Heights, Williamsport Elementary, Bester Elementary, Boonsboro Elementary, Broadway (K), Cascade Elementary, Clear Spring Elementary, Conococheqgue Elementary, Fountaindale Elementary, Funkstown Elementary, Greenbrier Elementary, Hancock Elementary, Keedysville Elementary, Lincolnshire Elementary, Maugansville Elementary, Old Forge Elementary, Paramount Elementary, Pleasant Valley, Rohrersville Elementary, Salem Avenue Elementary, Sharpsburg Ele Elementary, Smithsburg Elementary, Surrey Elementary, Winter Elementary, Woodland Way Elementary, Clear Spring Middle (Pilot)

Person to contact: Mrs. Margaret Callas

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TABLE D -- CONTINUED

Williamsport Middle (Pilot), Boonsboro Middle School, E. Russell Hicks, Hancock Middle School, North Potomac Middle, Smithsburg Middle School, Washington Middle School.

Program Description: Career education curriculum supplemental activities K-8.

Title: Career Guidance Centers

School involved: Williamsport Middle School
Person to contact: C. R. Ridenour

Program Description: Equipping and establishing a career learning center.

Title: Career Guidance Centers

School involved: Clear Spring High School
Person to contact: Robert Morrison

Program Description: Equipping and establishing a career learning center.

Title: Career Guidance Center

School involved: North Hagerstown High
Person to contact: C. Michael Sweeny

Program Description: Equipping and establishing a career learning center.

Title: Career Guidance Center

School involved: South Hagerstown High
Person to contact: Philip Poffenberger

Program Description: Equipping and establishing a career learning center.

TARCOG

Arab City

Title: Cooperative Guidance for Career Education

Schools involved: Arab Primary, Arab Junior High, Arab Elementary
Person to contact: Marie Bailey

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TABLE D -- CONTINUED

Program Description: To provide comprehensive guidance and counseling in the field of career education whereby each pupil may learn to make vocational choices commensurate with ability and concomitant environmental factors.

DeKalb County - No information received

Limestone County

Title: Limestone County Career Education Project

Schools involved:
Ardmore, Clements, East Limestone, Elkmont, Johnson, Mooresville, Owens, Pine Chapel, Reid, Tanner, West Limestone, Limestone County Technical Center, Birdie Thornton Opportunity Center

Person to contact:
J. D. Clanton

Program Description: Career awareness and orientation.

Fort Payne City

Schools involved:
Fort Payne City Schools

Person to contact:
Fort Payne City Schools Superintendent

Program Description: Eighty teachers attended a federally funded 2-day workshop in developing a career education teaching unit in some area of subject matter.

Jackson County

Title: Appalachian Career Development Project

Schools involved:
All Jackson County schools

Person to contact:
Jimmy L. Nichols

Program Description: In-service meetings of small groups were held on career education concepts. Career education materials were purchased for all schools. Visits were made to career education projects of other school systems.

TABLE D -- CONTINUED

Madison County

Title: none given

Schools involved:	Person to contact:
Riverton	James Campbell
New Hope	Evelyn Butler
Madison Cross Roads	Suzanne Whisenant
Bob Jones	Roy Kirby
Monrovia	Barbara Hargrove

Marshall County

Title: Cooperative Guidance for Career Education

Schools involved:	Person to contact:
All Marshall County schools 1-9	Sadie Geizer and Martha Tidmore

TABLE E

DISTRICT WIDE STANDARDIZED TESTS

District	Name of Test	Grade Tested	Admin. Date
CHAUTAUQUA			
Cattaragus - Information not received			
Chautauqua			
Chautauqua	Otis-Lennon	7-12	Fall
Chautauqua	Metropolitan Readiness	K	May
Chautauqua	Kuhlmann Anderson	1,3,5	Fall
Chautauqua	Iowa Basic Skills*	3-6	Fall
Chautauqua	Otis Lennon*	K-6	Fall
Chautauqua	Metropolitan Achievement*	1-2	Fall
Northwest Tri-County			
Corry	Otis Lennon	3,7	Oct.
Corry	Stanford Achievement	2,5	April
Fairview	Otis Lennon	3,7	Oct.
Fairview	Stanford Achievement	2,5	April
Fairview	SCAT-STEP	9,11	March
Gen. McLane	Otis Lennon	3,7	Oct.
Iroquois	Otis Lennon	3.7	Oct.
Iroquois	Stanford Achievement	2,5	April
Iroquois	SCAT-STEP	9,11	March
Girard	SCAT-STEP	9,11	March
Northeast	Stanford Achievement	2,5	April
Northeast	SCAT-STEP	9,11	March
CLINCH-POWELL			
Clinch-Powell			
Campbell	Stanford Achievement Test	3-8	March
Claiborne	Stanford Achievement Test	1-8	April
Hancock	Metropolitan Achievement Test	5-8	March
Union	Metropolitan Achievement Test	1-12	March
Tennessee Appalachian Educational Cooperative			
Anderson	Metropolitan Achievement Test	1-12	April
Anderson	Ginn Diagnostic Read	1-3	Oct.
Anderson	Metropolitan Readiness	1	Sept.
Anderson	Otis-Lennon Intelligence Test	3,5,7,11	Nov.

*Schools have option to take test but not mandatory

TABLE E -- CONTINUED

District	Name of Test	Grade Tested	Admin. Date
Scott	Metropolitan Readiness Test	1	Sept.
Scott	Metropolitan Achievement Test	5,11	April
Morgan	Metropolitan Achievement Test	4,6,8,10	April
Roane	Stanford Achievement Test	1-12	April
Upper East Tennessee Educational Cooperative			
Carter	Peabody Language Test	K	Spring
Hawkins	Metropolitan Primary Test	2.5-3.4	May
Hawkins	Metropolitan Primary Test	3.5-4.9	May
Johnson	Stanford Achievement Test	3	May
Sullivan	Stanford Achievement Test	1-3	April
Washington	Metropolitan Achievement Test	1-3	Spring
DILENOWISCO			
Dilenowisco Educational Cooperative			
Dickenson	SCAT	9,11	Fall
Lee	SCAT	9,11	Fall
Norton	SCAT	9,11	Fall
Scott	SCAT (Aptitude)	9,11	Fall
Wise	SCAT	9,11	Fall
Northwest Regional Media Center			
Allegany	Stanford Achievement Test	1-12	Spring
Ashe	Metropolitan Achievement Test	1-8	April
Avery	Metropolitan Achievement Test	1-12	8th school month
Mitchell	Metropolitan Achievement Test	1-8	March
Watauga	Stanford Achievement Test	1-8	Spring
Wilkes	Iowa Test of Basic Skills	1,4,5,6,7,8,10	Spring
Yancey	Iowa Test of Basic Skills	4,6,8	Spring
MARYLAND			
Curriculum Improvement Center, West Virginia			
Morgan	Scholastic Testing Service	9-11	Oct.
Morgan	Arms Service Vocational Aptitude Battery	12	Oct.
Morgan	GAT-B	12	April
Morgan	Kuder	11-12	
Morgan	Scholastic Testing Service	2-6	Oct.
Morgan	Primary Mental Ability	1	Oct.

TABLE E -- CONTINUED

District	Name	Grade Tested	Admin. Date
Morgan	Stanford Achievement Test	Title 1	Oct.
Morgan	Stanford Diagnostic Reading Test	Title 1	Oct.
Morgan	Stanford Early Achievement	ECE	Oct.
Berkeley	Educational Development Series	3,6	March
Berkeley	Educational Development Series	9,11	Oct.
Maryland			
Garrett	ITBS	3,5,7,8	May
Allegany	OVIS	9	Sept.
Washington	CAT	3,5,7,9	March
Washington	CAT-B	9-10	Spring
TARCOG			
Arab City	California Achievement Battery	1-6, 8,11	9/72
Jackson Co.	California Test of Mental Maturity	4,8,10,11	Oct./April
Jackson Co.	Kuder Preference Record	9	Spring
Limestone	Kuhlmann-Anderson Form K	1	Sept.
Limestone	CAT-70 mlsl	1,2	April
Limestone	CAT-70 Level 3	4	April
Limestone	CAT-70 M/SH	8	Sept.
Limestone	CAT-70 Level 5	10	April
Limestone	California Test of Basic Skills	2,3,4	Sept./April
Limestone	California Test of Basic Skills (Level II)	5,6	Sept./April
Limestone	CTMMSF - Level H	3	Sept.
Limestone	CTMMSF - Level 2	6	Sept.
Limestone	SFTAA - Level 4	8	Sept.
Limestone	SFTAA - M/sl	4	April
Limestone	SFTAA - Level 5	10	April
Madison Co.	Short Form Test of Academic Aptitude	(2,8)(4,10)	Sept./April
Marshall	Battery Short Form Test of Academic Aptitude	4,8,10	April

TABLE F

DISTRICT WIDE READING TESTS

District	Name of Test	Grade Tested	Admin. Date
CHAUTAUQUA			
Cattaragus - Information not received			
Chautauqua	PEP	3,6,9	Fall '72
Northwest Tri-County			
Girard	Stanford Achievement Test	2,4,5	March
Millcreek	Iowa Test of Basic Skills	2,4,5,6	Oct.
Millcreek	Gates MacGinitie Reading Readiness Skills	K	April
Wattsburg	Stanford Achievement	1,2,3,4	May
Warren	California Achievement Test	3	Spring
CLINCH-POWELL			
Clinch-Powell			
Campbell	Durell	3	March '73
Claiborne	Durell	3	April '73
Hancock	San Diego	3	May '73
Tennessee Appalachian Educational Cooperative			
Oak Ridge	Metropolitan Readiness Test	1	Oct. '73
Oak Ridge	Metropolitan Achievement Test, Primary I	2	Oct. '73
Oak Ridge	Metropolitan Achievement Test, Primary II	3	Oct. '73
Anderson	Metropolitan Readiness Test	1	Oct. '73
Anderson	Metropolitan Achievement Test, Primary I	2	Oct. '73
Anderson	Metropolitan Achievement Test, Primary II	3	Oct. '73
Morgan	Metropolitan Readiness Test	1	Oct. '73
Morgan	Metropolitan Achievement Test, Primary I	2	Oct. '73
Morgan	Metropolitan Achievement Test, Primary II	3	Oct. '73
Scott	Metropolitan Readiness Test	1	Oct. '73
Scott	Metropolitan Achievement Test, Primary I	2	Oct. '73
Scott	Metropolitan Achievement Test, Primary II	3	Oct. '73

TABLE F -- CONTINUED

District	Name of Test	Grade Tested	Admin. Date
Roane	Metropolitan Readiness Test	1	Oct. '73
Roane	Metropolitan Achievement Test, Primary I	2	Oct. '73
Roane	Metropolitan Achievement Test, Primary II	3	Oct. '73
Harrison	Metropolitan Readiness Test	1	Oct. '73
Harrison	Metropolitan Achievement Test, Primary I	2	Oct. '73
Harrison	Metropolitan Achievement Test, Primary II	3	Oct. '73
Clinton City	Metropolitan Readiness Test	1	Oct. '73
Clinton City	Metropolitan Achievement Test, Primary I	2	Oct. '73
Clinton City	Metropolitan Achievement Test, Primary II	3	Oct. '73
Oneida	Metropolitan Readiness Test	1	Oct. '73
Oneida	Metropolitan Achievement Test, Primary I	2	Oct. '73
Oneida	Metropolitan Achievement Test, Primary II	3	Oct. '73
Upper East Tennessee Educational Cooperative			
Carter	California Reading	1,2,3	Spring
Green	California Reading	3	Oct. '73
Johnson	Metropolitan Reading Readiness	K,1	April '73
Johnson	Gates-MacGinitie	2,3	May '72
Johnson	Slosson Vocabulary	K,1	Screening
Unicoi	Comprehensive Test of Basic Skills	3	May '73
Sullivan	Metropolitan Reading Readiness	1	April '73
Washington	Peabody Picture Vocabulary	K	Fall, Spring
Washington	Harper-Row Basal Reading	1,2,3,4	throughout year
Washington	California Reading Test	1,2,3,4	throughout year
DILENOWISCO			
Dilenowisco			
Scott	SRA	4,6	Spring '73
Scott	STEP	9,11	Fall '72
Wise	SRA	4,6	Spring '73
Wise	STEP	9,11	Fall '72

TABLE F -- CONTINUED

District	Name of Test	Grade Tested	Admin. Date
Lee	Metropolitan Readiness	K	May
Lee	California Achievement	1-7	Sept./April
Norton	SRA	4,6	Spring '73
Norton	STEP	9,11	Fall '72
Dickenson	SRA	4,6	Spring '73
Dickenson	STEP	9,11	Fall '72
Northwest Regional Media Center - Information not received			
MARYLAND			
Curriculum Improvement Center, West Virginia			
Mineral	California Reading Test	3,4	Sept. '72/ May '73
Berkeley Springs	Stanford Diagnostic Reading	Title I	Oct.
Maryland			
Garrett	Lee-Clark	1	Oct.
Garrett	Iowa Test	4,6,8,10	Dec.
Allegany	Lee-Clark	K	Late Spring
Allegany	Metropolitan	K	Late Spring
TARCOG			
Arab City	California Achievement	4	4/12/72
DeKalb	Information not received		
Fort Payne City	California Achievement	8	Sept. '73
Fort Payne City	California Achievement	4,11	April '73
Guntersville	California Achievement	8,11	Sept. '72
Jackson	California Achievement	4	4/12/73
Jackson	California Achievement	8,11	10/6/72
Jackson	Gates MacGinitie Reading	1-6	5/15/73
Limestone	California Achievement	4,11	April '73
Limestone	California Achievement	8	Sept. '72
Limestone	Lee-Clark Reading	1	Sept./April
Limestone	Lee-Clark Reading Form A&B	2	Sept./April
Madison	California Achievement	2,8	Sept.
Madison	California Achievement	4,10	April
Madison	Metropolitan Readiness	1	Sept.
Madison	Wisconsin Reading Design	2-6	Nov.
Madison	Winterhaven Perception	1	Sept.
Marshall	California Achievement	10	May '73
Marshall	California Achievement	8	Oct. '72
Marshall	California Achievement	4	April '73

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